

Europäisches Patentamt

European Patent Office

Office européen des brevets



EP 1 521 467 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 13.04.2005 Bulletin 2005/15

(51) Int Cl.7: H04N 7/167, G06F 1/00

(11)

(43) Date of publication A2: 06.04.2005 Bulletin 2005/14

(21) Application number: 04078395.3

(22) Date of filing: 16.03.1999

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU

MC NL PT SE

(30) Priority: 16.03.1998 US 78053 P

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC: 99912582.6 / 1 062 812

(71) Applicant: Intertrust Technologies Corp. Santa Clara, CA 95054 (US)

(72) Inventors:

Shamoon, Talal G.
 Palo Alto, CA 94306 (US)

• Hill, Ralph D. Los Gatos, CA 94032 (US)

Radcliffe, Chris D.
 Redwood City, CA 94061 (US)

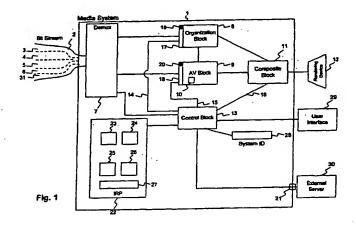
Hwa, John P.
 Fremont, CA 94539 (US)

(74) Representative: Williams, Michael lan et al fj Cleveland, 40-43 Chancery Lane London WC2A 1JQ (GB)

(54) Methods and apparatus for continuous control and protection of media content

(57) A novel method and apparatus for protection of streamed media content is disclosed. The apparatus includes control means for governance of content streams or objects, decryption means for decrypting content streams or objects under control of the control means, and feedback means for tracking actual use of content streams or objects. The control means may operate in accordance with rule received as part of the streamed content, or through a side-band channel. The rules may specify allowed uses of the content, including whether or not the content can be copied or transferred, and whether and under what circumstances received con-

tent may be "checked out" of one device and used in a second device. The rules may also include or specify budgets, and a requirement that audit information be collected and/or transmitted to an external server. The apparatus may include a media player designed to call plugins to assist in rendering content. A "trust plugin" and its use are disclosed so that a media player designed for use with unprotected content may render protected content without the necessity of requiring any changes to the media player. The streamed content may be in a number of different formats, including MPEG-4, MP3, and the RMFF format.





EUROPEAN SEARCH REPORT

Application Number EP 04 07 8395

	DOCUMENTS CONSID	ERED TO BE RELEVANT	Relevant	CLASSIFICATION OF THE		
Category	Citation of document with it of relevant passa	ndication, where appropriate, ges	to claim	APPLICATION (InLCI.7)		
(EP 0 763 936 A (LG 19 March 1997 (1997	1-4, 6-14, 17-20, 22-25	H04N7/167 G06F1/00			
١.	* abstract *		5,15,16, 21,26			
	l+ column Q line h	7 - column 8, line 4 * - column 11, line 43 * 17 - column 18, line 38				
· ' (* figures 4,6A,6B,7 * figures 10,16 *	*				
X .	EP 0 714 204 A (LG 29 May 1996 (1996-6	1-4, 6-14, 22-26 5.15-21				
A .	* abstract * * page 6, line 14 - * figures 7,19A,B,2	page 8, line 45 *	3,13-21			
A ·	EP 0 715 246 A (XEF 5 June 1996 (1996-6 * abstract * * page 3, line 46 - * figures 1-3,4A,4E	06-05) page 8, line 27 *	1-26	TECHNICAL FIELDS SEARCHED (InLCI.7) H04N G06F G11B		
Α.	WO 97/25816 A (SONY (US); LEE CHUEN CHI ELECTRONI) 17 July	CORP ; INOUE HAJIME EN (US); SONY 1997 (1997-07-17)	1-26			
	* figures 2,3 *	page 10, line 7 *				
A	LTD) 8 October 1997	SUSHITA ELECTRIC IND CO (1997-10-08) 0 - column 51, line 53	1,6,7, 23-25			
		record trawn up for all claims				
	The present search report has	Date of completion of the search		Examiner		
	Place of search The Hague	15 February 2005	Нап	mpson, F		
X : part Y : part docu A : tech	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with another of the same category included background written disclosure		timent, but public the application or other reasons	aned on, or		

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 04 07 8395

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-02-2005

Patent document cited in search report		Publication date		Patent family member(s)		Publicatio date
EP 0763936	. A	19-03-1997	KR	166923	B1	20-03-1
2. 0.0000			· CN	1150738	A ,C	28-05-1
	•	** *	DE	69616224	D1	29-11-2
	•	** ** · · · ·	DE	69616224	T2	18-04-2
			EP	0763936	A2	19-03-1
			JP	9093561	Α	04-04-1
·		÷ .	US	5799081	Α	25-08-1
EP 0714204	Α	29-05-1996	CN	1137723	A ,C	11-12-1
		•	DE	69524931	D1	14-02-2
			DE	69524931	T2	29-08-2
			' EP	0714204	A2	29-05-1
			JР	3108618	B2	13-11-2
•			JP	8242438	A	17-09-1
			US	5757909	A	26-05-1
EP 0715246	Α	05-06-1996	US	5638443	A	10-06-1
			DE	69530460	D1	28-05-20
			DE	69530460		23-10-20
		• •	DE		D1	13-01-20
			DE		D1	13-01-26
			DE	69533847		13-01-20
		٠.	EP		A2	19-03-26
			EP		A2	19-03-26
		` •	EP		A1	13-08-26
		· .	EP		Al	13-08-26
			EP	1335262		13-08-26
			EP		A1	13-08-26
٠.		٠.	EP	0715246		05-06-19
			JP	8263439	_	11-10-19
			JP	2004127307	A 	22-04-26
WO 9725816	Α	17-07-1997	AT		T	15-08-20
			AU	•	A	01-08-19 24-02-19
			CN		A D1	26-08-20
			DE		A1	09-12-19
			EP		T T	14-03-20
		• .	JP WO	9725816		17-07-19
		•				
			US 	5889919	4 	30-03-19
EP 0800312	Α	08-10-1997	EP	0800312		08-10-19
			KR		31	15-04-20
			US	6047103		04-04-20
•			WO	9714249		17-04-19
			CN	1168054 /	4	17-12-19

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 04 07 8395

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-02-2005

Patent document cited in search report		Publication date		Patent family member(s)		Publication date		
EP 0800312	Α			· ·,	EP JP	0789361 A2 10079174 A	13-08- 24-03-	1997 1998
		• •		•				
	•							
•				• •	٠	• •		
		•	٠.	•	٠.	•	٠.	
								٠.
				• ,			• •	
							• :	
				·	٠.			.1
٠.		×.	·					
						3 ₁		
			٠.	•			٠.	
	·:							
-								:
		•:•						
						·.		
or more details about this an						٠.		
• :								